

# FIGURE 1

## Amino acid sequence for full-length human wild type HSD11B1 [SEQ. ID No. 1] (Residues 24-292 are underlined)

1	<u>MAFMKKYLLP</u>	<u>ILGLFMAYYY</u>	<u>YSANEEFRPE</u>	<u>MLQGKKVIVT</u>	<u>GASKGIGREM</u>	<u>AYHLAKMGAH</u>
61	<u>VVVTARSKET</u>	<u>LQKVVSCHLE</u>	<u>LGAASAHYIA</u>	<u>GTMEDMTFAE</u>	<u>QFVAQAGKLM</u>	<u>GGLDMLILNH</u>
121	<u>ITNTSLNLFH</u>	<u>DDIHHVRKSM</u>	<u>EVNFLSYVVL</u>	<u>TVAALPMLKQ</u>	<u>SNGSIVVVSS</u>	<u>LAGKVAYPMV</u>
181	<u>AAYSASKFAL</u>	<u>DGFFSSIRKE</u>	<u>YSVSRVNVSI</u>	<u>TLCVLGLIDT</u>	<u>ETAMKAVSGI</u>	<u>VHMQAAPKEE</u>
241	<u>CALEI IKGA</u>	<u>LRQEEVYYDS</u>	<u>SLWTTLLIRN</u>	<u>PCRKILEFLY</u>	<u>STSYNMDRFI</u>	<u>NK</u>

## Amino acid sequence for residues 24-292 of HSB11B1 with a N-terminal MKHQHQHQHQHQHQQPL tag [SEQ. ID No. 2] (N-terminal MKHQHQHQHQHQHQQPL tag is underlined)

1	<u>MKHQHQHQHQ</u>	<u>QHQQPLNEE</u>	<u>FRPEMLQGKK</u>	<u>VIVTGASKGI</u>	<u>GREMAYHLAK</u>	<u>MGAHVVVTAR</u>
61	<u>SKETLQKVVS</u>	<u>HCLELGAASA</u>	<u>HYIAGTMEDM</u>	<u>TFAEQFVAQA</u>	<u>GKLMGGLDML</u>	<u>ILNHITNTSL</u>
121	<u>NLFHDDIHHV</u>	<u>RKSMEVNFLS</u>	<u>YVVLTVAAALP</u>	<u>MLKQSNQSIV</u>	<u>VVSSLAGKVA</u>	<u>YPMVAAYSAS</u>
181	<u>KFALDGFFSS</u>	<u>IRKEYSVSRV</u>	<u>NVSITLCVLG</u>	<u>LIDTETAMKA</u>	<u>VSGIVHMQAA</u>	<u>PKEECALEII</u>
241	<u>KGGALRQEEV</u>	<u>YYDSSLWTTL</u>	<u>LIRNPCRKIL</u>	<u>EFLYSTSYNM</u>	<u>DRFINK</u>	

## Human cDNA sequence encoding residues 24-292 of HSD11B1 [SEQ. ID No. 3]

1	ACAATTCAGA	GGCTGCTGCC	TGCTTAGGAG	GTTGTAGAAA	GCTCTGTAGG	TTCTCTCTGT
61	GTGTCCTACA	GGAGTCTTCA	GGCCAGCTCC	CTGTCGGATG	GCTTTTATGA	AAAAATATCT
121	CCTCCCCATT	CTGGGGCTCT	TCATGGCCTA	CTACTACTAT	TCTGCAAACG	AGGAATTCAG
181	ACCAGAGATG	CTCCAAGGAA	AGAAAGTGAT	TGTCACAGGG	GCCAGCAAAG	GGATCGGAAG
241	AGAGATGGCT	TATCATCTGG	CGAAGATGGG	AGCCCATGTG	GTGGTGACAG	CGAGGTCAAAA
301	AGAAACTCTA	CAGAAGGTGG	TATCCCACTG	CCTGGAGCTT	GGAGCAGCCT	CAGCACACTA
361	CATTGCTGGC	ACCATGGAAG	ACATGACCTT	CGCAGAGCAA	TTTGTGTGCC	AAGCAGGAAA
421	GCTCATGGGA	GGACTAGACA	TGCTCATTCT	CAACCACATC	ACCAACACTT	CTTTGAATCT
481	TTTTTCATGAT	GATATTCACC	ATGTGCGCAA	AAGCATGGAA	GTCAACTTCC	TCAGTTACGT
541	GGTCCTGACT	GTAGCTGCCT	TGCCCATGCT	GAAGCAGAGC	AATGGAAGCA	TTGTTGTCGT
601	CTCCTCTCTG	GCTGGGAAAAG	TGGCTTATCC	AATGGTTGCT	GCCTATTCTG	CAAGCAAGTT
661	TGCTTTGGAT	GGGTTCTTCT	CCTCCATCAG	AAAGGAATAT	TCAGTGTCCA	GGGTCAATGT
721	ATCAATCACT	CTCTGTGTTT	TTGGCCTCAT	AGACACAGAA	ACAGCCATGA	AGGCAGTTTC
781	TGGGATAGTC	CATATGCAAG	CAGCTCCAAA	GGAGGAATGT	GCCCTGGAGA	TCATCAAAGG
841	GGGAGCTCTG	CGCCAAGAAG	AAGTGTATTA	TGACAGCTCA	CTCTGGACCA	CTCTTCTGAT
901	CAGAAATCCA	TGCAGGAAGA	TCCTGGAATT	TCTCTACTCA	ACGAGCTATA	ATATGGACAG
961	ATTCATAAAC	AAGTAGGAAC	TCCCTGAGGG	CTGGGCATGC	TGAGGGATTT	TGGGACTGTT
1021	CTGTCTCATG	TTTATCTGAG	CTCTTATCTA	TGAAGACATC	TTCCAGAGT	GTCCCAGAG
1081	ACATGCAAGT	CATGGGTCAC	ACCTGACAAA	TGGAAGGAGT	TCCTCTAACA	TTTGCAAAAT
1141	GGAAATGTAA	TAATAATGAA	TGTCATGCAC	CGCTGCAGCC	AGCAGTTGTA	AAATTGTTAG
1201	TAAACATAGG	TATAATTACC	AGATAGTTAT	ATTAAATTTA	TATCTTATAT	ATAATAATAT
1261	GTGATGATTA	ATACAATATT	AATTATAATA	AAGGTCACAT	AAACTTTATA	AATTCATAAC
1321	TGGTAGCTAT	AACTTGAGCT	TATTTCAGGAT	GGTTTCTTTA	AAACCATAAA	CTGTACAAAT
1381	GAAATTTTTC	AATATTTGTT	TCTTA			

## FIGURE 1 (Cont.)

### DNA sequence encoding PCR Primer hsd1\_24-f [SEQ. ID No. 4]

1 AACGAGGAAT TCAGACCAGA GATG

### DNA sequence encoding PCR Primer hsd1-292-r [SEQ. ID No. 5]

1 TTACTTGTTT ATGAATCTGT CCAT

### DNA sequence encoding PCR Primer hsdC272Sqcf [SEQ. ID No. 6]

1 TCAGAAATCC ATCCAGGAAG ATC

### DNA sequence encoding PCR Primer hsdC272Sqcr [SEQ. ID No. 7]

1 GATCTTCCTG GATGGATTTC TGA